

**EXECUTIVE SUMMARY SHEET**  
CITY OF SAN DIEGO

DATE ISSUED: June 16, 2010

ATTENTION: Natural Resources & Culture Committee  
Agenda of June 8, 2010

ORIGINATING DEPARTMENT: Storm Water Department, Storm Water Pollution Prevention Division

SUBJECT: Informational Item regarding Storm Water Pollutant Characterization and Source Control Studies

COUNCIL DISTRICT(S): All

CONTACT/PHONE NUMBER: Ruth Kolb, (858) 541-4328, MS 1900

REQUESTED ACTION: Informational item only.

STAFF RECOMMENDATION: Informational item only.

EXECUTIVE SUMMARY: At the April 14, 2010 Natural Resources & Cultural Committee meeting, the Storm Water Department was requested to provide an update on the status of our synthetic pyrethroid studies. During the past decade, the Storm Water Department has performed special studies on a variety of pollutants. Source identification studies were initiated that required monitoring for Diazinon and bacteria due to pending Total Maximum Daily Loads (TMDLs). The success of these studies demonstrated the need for investigations of sediments, total and dissolved metals, persistent organic pollutants (such as DDT and PCBs) and other pesticides including synthetic pyrethroids. Review of the City's data and that from other sources finds that synthetic pyrethroids are found across the city, county, and state. They accumulate in the sediments, having longer term environmental effects. Additionally, this pesticide has been found to cause toxicity to an aquatic insect that many larger animals feed on.

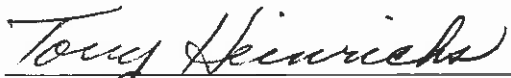
Control of this pesticide, and any other pesticide can only be exercised by the US Environmental Protection Agency (EPA) and the California Department of Pesticide Regulations (DPR). Only these two agencies in California have the authority to control the pesticide's registration, or authorization to use, and by public and/or licensed pesticide applicators. DPR is in the process of re-evaluating the registration for this pesticide, and has requested data from the public regarding the effects of this pesticide. The Storm Water Department is preparing a data submittal for DPR.

FISCAL CONSIDERATIONS: This is an informational item with no associated costs.

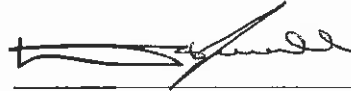
PREVIOUS COUNCIL and/or COMMITTEE ACTION: This is an information item with no action required.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS: This is an informational item only.

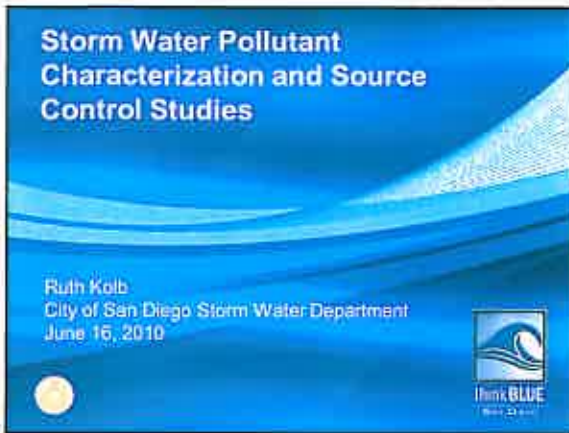
KEY STAKEHOLDERS AND PROJECTED IMPACTS: This is an informational item only.



Tony Heinrichs  
Storm Water Department Director



David Jarrell  
Deputy Chief of Public Works




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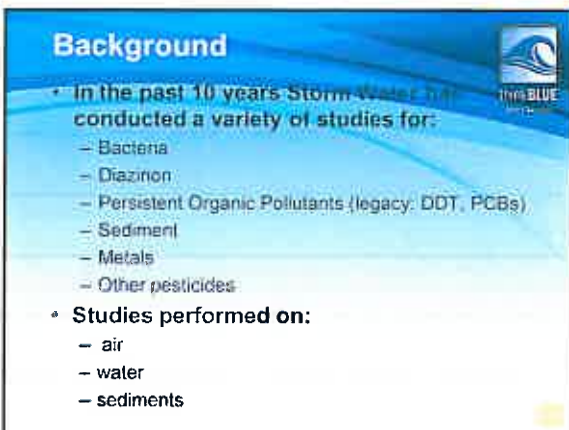
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Emerging Water Quality Problem

  
THINK BLUE  
EVERETT

- **Synthetic pyrethroids are:**
  - found across the state
  - accumulate in the sediments
  - Regulatory challenge

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Where are Synthetic Pyrethroids Found?

  
THINK BLUE  
EVERETT

- San Dieguito Watershed
- Los Penasquitos Watershed
- San Diego River Watershed
- Switzer Creek Watershed
- Chollas Creek Watershed
- Paleta Creek Watershed
- Sweetwater River Watershed
- Tijuana River Watershed

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